

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/589,144
Source: ITWOP
Date Processed by STIC: 8/22/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/22/2006

PATENT APPLICATION: US/10/589,144

TIME: 14:25:04

Input Set : A:\NEB-240-PCT.ST25.txt

Output Set: N:\CRF4\08222006\J589144.raw

```

3 <110> APPLICANT: New England Biolabs, Inc.
4     Tzertzinis, George
5     Feehery, George
6     Petit, Celine
8 <120> TITLE OF INVENTION: Highly Potent hsiRNA Mixtures and Methods for Gene Silencing
10 <130> FILE REFERENCE: NEB-240-PUS
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/589,144
C--> 12 <141> CURRENT FILING DATE: 2006-08-14
12 <150> PRIOR APPLICATION NUMBER: 60/551,558
13 <151> PRIOR FILING DATE: 2004-03-09
15 <150> PRIOR APPLICATION NUMBER: 60/543,880
16 <151> PRIOR FILING DATE: 2004-02-12
18 <160> NUMBER OF SEQ ID NOS: 13
20 <170> SOFTWARE: PatentIn version 3.2
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 25
24 <212> TYPE: DNA
25 <213> ORGANISM: unknown
27 <220> FEATURE:
28 <223> OTHER INFORMATION: primer
30 <400> SEQUENCE: 1
31 ctcgagtaat acgactcact atagg                               25
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 46
36 <212> TYPE: DNA
37 <213> ORGANISM: unknown
39 <220> FEATURE:
40 <223> OTHER INFORMATION: primer designed from human p53 cDNA
42 <400> SEQUENCE: 2
43 ctcgagtaat acgactcact ataggccgctc cagggagcag gtagct       46
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 45
48 <212> TYPE: DNA
49 <213> ORGANISM: unknown
51 <220> FEATURE:
52 <223> OTHER INFORMATION: primer designed from human p53 cDNA
54 <400> SEQUENCE: 3
55 ctcgagtaat acgactcact ataggccggg cgggggtgtg gaatc         45
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 46
60 <212> TYPE: DNA
61 <213> ORGANISM: unknown
63 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 08/22/2006

PATENT APPLICATION: US/10/589,144

TIME: 14:25:04

Input Set : A:\NEB-240-PCT.ST25.txt

Output Set: N:\CRF4\08222006\J589144.raw

```

64 <223> OTHER INFORMATION: primer from human p53 cDNA
66 <400> SEQUENCE: 4
67 ctcgagtaat acgactcact atagggactg acattctcca cttctt      46
70 <210> SEQ ID NO: 5
71 <211> LENGTH: 49
72 <212> TYPE: DNA
73 <213> ORGANISM: unknown
75 <220> FEATURE:
76 <223> OTHER INFORMATION: primer from human p53 cDNA
78 <400> SEQUENCE: 5
79 ctcgagtaat acgactcact ataggctcta cctaaccagc tgcccaact    49
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 49
84 <212> TYPE: DNA
85 <213> ORGANISM: unknown
87 <220> FEATURE:
88 <223> OTHER INFORMATION: primer designed from human p53 CDNA
90 <400> SEQUENCE: 6
91 ctcgagtaat acgactcact ataggcctgt tggtggtgg gttggtagt    49
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 49
96 <212> TYPE: DNA
97 <213> ORGANISM: unknown
99 <220> FEATURE:
100 <223> OTHER INFORMATION: primer designed from human p53 cDNA
102 <400> SEQUENCE: 7
103 ctcgagtaat acgactcact ataggaggag gggaagggtg gggtgaaaa    49
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 20
108 <212> TYPE: DNA
109 <213> ORGANISM: unknown
111 <220> FEATURE:
112 <223> OTHER INFORMATION: primer
114 <400> SEQUENCE: 8
115 tgcgtgacat taaggagaag      20
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 18
120 <212> TYPE: DNA
121 <213> ORGANISM: unknown
123 <220> FEATURE:
124 <223> OTHER INFORMATION: primer
126 <400> SEQUENCE: 9
127 gctcgtagct cttctcca      18
130 <210> SEQ ID NO: 10
131 <211> LENGTH: 24
132 <212> TYPE: DNA
133 <213> ORGANISM: unknown
135 <220> FEATURE:
136 <223> OTHER INFORMATION: primer

```

RAW SEQUENCE LISTING

DATE: 08/22/2006

PATENT APPLICATION: US/10/589,144

TIME: 14:25:04

Input Set : A:\NEB-240-PCT.ST25.txt

Output Set : N:\CRF4\08222006\J589144.raw

```

138 <400> SEQUENCE: 10
139 cccctcctctg gcccctgtca tctt 24
142 <210> SEQ ID NO: 11
143 <211> LENGTH: 22
144 <212> TYPE: DNA
145 <213> ORGANISM: unknown
147 <220> FEATURE:
148 <223> OTHER INFORMATION: primer
150 <400> SEQUENCE: 11
151 cgggcgggggg tgtggaatca ac 22
154 <210> SEQ ID NO: 12
155 <211> LENGTH: 336
156 <212> TYPE: DNA
157 <213> ORGANISM: unknown
159 <220> FEATURE:
160 <223> OTHER INFORMATION: relevant part of homo sapiens mitogen-activated kinase 1
162 <400> SEQUENCE: 12
163 cctcagcaat gaccatatct gctatcttct ctaccagatc ctcagagggt taaaatatat 60
165 ccattcagct aacgttctgc accgtgacct caagccttcc aacctgctgc tcaacaccac 120
167 ctgtgatctc aagatctgtg actttggcct ggcccgtgtt gcagatccag accatgatca 180
169 cacagggttc ctgacagaat atgtggccac acgttggtac agggctccag aaattatggt 240
171 gaattccaag ggctacacca agtccattga tatttggtct gtaggctgca ttctggcaga 300
173 aatgctttct aacaggccca tctttccagg gaagca 336
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 276
178 <212> TYPE: DNA
179 <213> ORGANISM: unknown
181 <220> FEATURE:
182 <223> OTHER INFORMATION: relevant part of homo sapiens mitogen-activated kinase 3
184 <400> SEQUENCE: 13
185 ccaactccgcc aacgtgctcc accgagatct aaagccctcc aacctgctca gcaacaccac 60
187 ctgcgacctt aagatttgtg atttcggcct ggcccggatt gccgatcctg agcatgacca 120
189 caccggcttc ctgacggagt atgtggctac gcgctgggtac cgggccccag agatcatgct 180
191 gaactccaag ggctatacca agtccatcga catctggtct gtgggctgca ttctggctga 240
193 gatgctctct aaccggccca tcttccctgg caagca 276

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/589,144

DATE: 08/22/2006

TIME: 14:25:05

Input Set : A:\NEB-240-PCT.ST25.txt

Output Set: N:\CRF4\08222006\J589144.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date